

3732



DOCKET NO. AB-210U

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Whitehurst, et al.  
Serial No.: 10/057,115  
Filed: January 24, 2002  
For: Fully Implantable Miniature  
Neurostimulator for Stimulation as a  
Therapy for Epilepsy  
Group Art  
Unit: 3732  
Examiner:

I hereby certify that this paper is being  
deposited with the United States Postal  
Service as first class mail in an envelope  
addressed to: Assistant Commissioner for Patents,  
Washington, D.C. 20231, on this date.

4/15/2003  
Date

Victoria Aguilera

RECEIVED  
APR 23 2003  
TECHNOLOGY CENTER R3700

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Examiner:


Submitted herewith is PTO/SB/08 (substitute for form PTO/1449)  
containing a list of items that are being disclosed to the U.S. Patent & Trademark Office  
(PTO) pursuant to 37 C.F.R. 1.56, 1.97 and 1.98.

This application claims the benefit of United States Provisional Patent  
Application Serial Number 60/265,008 filed January 30, 2001.

IDS  
10/057,115  
Page Two

All of the items listed on PTO/SB/08 are in the English language.

Respectfully submitted,



Laura Haburay Bishop  
Reg. No. 47,424

Dated: April 15, 2003

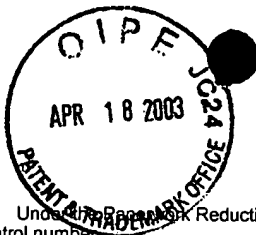
Address all correspondence to:

Bryant R. Gold  
Advanced Bionics Corporation  
12740 San Fernando Road  
Sylmar, CA 91342

Fax: (661) 362-1507

Address all telephone inquiries to:


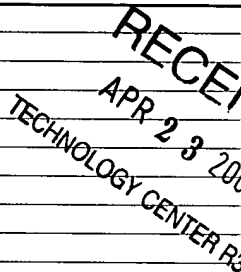
Laura Haburay Bishop  
Telephone: (661) 362-1906




PTO/SB/08A (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>Substitute for form 1449A/PTO</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>	
			Application Number	10/057,115
			Filing Date	January 24, 2002
			First Named Inventor	Whitehurst, et al.
			Art Unit	3732
Examiner Name				
Attorney Docket Number	AB-210U			
Sheet	1	of	2	

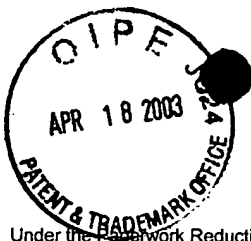
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
	A1	US-4,702,254		10-27-1987	Zabara	
	A2	US-4,867,164		09-19-1989	Zabara	
	A3	US-5,193,539		03-16-1993	Schulman, et al.	
	A4	US-5,193,540		03-16-1993	Schulman, et al.	
	A5	US-5,215,086		06-01-1993	Terry, Jr. et al.	
	A6	US-5,312,439		05-17-1994	Loeb	
	A7	US-5,540,734		07-30-1996	Zabara	
	A8	US-6,051,017		04-18-2000	Loeb, et al.	
	A9	US-6,161,044		12-12-2000	Silverstone	
	A10	US-6,185,452-B1		02-06-2001	Schulman, et al.	
	A11	US-6,205,359-B1		03-20-2001	Boveja	
	A12	US-6,405,079-B1		06-11-2002	Ansarinia	
	A13	US-6,526,318-B1		02-25-2003	Ansarinia	

RECEIVED  
APR 23 2003  
TECHNOLOGY CENTER R3700

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	-Number <sup>4</sup> -	-Kind Code <sup>5</sup> (if known)				
	A14	WO-98/43700-A1			10-08-1998	Schulman, et al.		
	A15	WO-98/43701-A1			10-08-1998	Schulman, et al.		

Examiner Signature		Date Considered	12/13/03
--------------------	--	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.  
<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.  
Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08B (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>Substitute for form 1449B/PTO</b> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			<b>Application Number</b>	10/057,115	
<b>Sheet</b>	2	<b>of</b>	2	<b>Filing Date</b>	January 24, 2002
			<b>First Named Inventor</b>	Whitehurst, et al.	
			<b>Group Art Unit</b>	3732	
			<b>Examiner Name</b>		
			<b>Attorney Docket Number</b>	AB-210U	

<b>OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A16	BAZIL, et al., "Advances in the Medical Treatment of Epilepsy", Annu. Rev. Med., Vol. 49, (1998), pages 135-162.	
	A17	BEART, et al., "Excitatory Amino Acid Projections to the Nucleus of the Solitary Tract in the Rat: a Retrograde Transport Study Utilizing D-[3H]Aspartate and [3H]Gaba", J Auton Nerv Syst, Vol. 50(1), (Dec. 1994), pages 109-122.	
	A18	BEN-MENACHEM, E., "Vagus Nerve Stimulation", Baillieres Clin Neurol, Vol. 5(4), (Dec. 1996), pages 841-848.	
	A19	CAMERON, et al., "Micromodular Implants to Provide Electrical Stimulation of Paralyzed Muscles and Limbs", IEEE Transactions on Biomedical Engineering, Vol. 44, No. 9, (Sept. 1997), pages 781-790.	
	A20	FANSELOW, et al., "Reduction of Pentylene-tetrazole-Induced Seizure Activity in Awake Rats by Seizure-Triggered Trigeminal Nerve Stimulation", J Neurosci, Vol. 20(21), (Nov. 2000), pages 8160-8168.	
	A21	JEANMONOD, et al., "Low-Threshold Calcium Spike Bursts in the Human Thalamus: Common Physiopathology for Sensory, Motor and Limbic Positive Symptoms", Brain, Vol. 119, (1996), pages 363-375.	
	A22	MENETREY, et al., "Spinal and Trigeminal Projections to the Nucleus of the Solitary Tract: a Possible Substrate for Somatovisceral and Viscerovisceral Reflex Activation", J Comp Neurol, Vol. 255(3), (Jan. 1987), pages 439-450.	
	A23	NOMURA, et al., "Trigeminal Primary Afferent Neurons Projecting Directly to the Solitary Nucleus in the Cat: a transganglionic and Retrograde Horseradish Peroxidase Study", Neurosci Lett, Vol. 50(1-3), (Sept. 1984), pages 257-262.	
	A24	SCHREIBER, et al., "Expression of Neuron-Specific Enolase in Adult Rat Brain Following Epilepticus", Exp Neurol, Vol. 159(1), (Sept. 1999), pages 329-331.	
	A25	SOUTH, et al., "Substance P-Containing Trigeminal Sensory Neurons Project to the Nucleus of the Solitary Tract", Brain Res, Vol. 372(2), (May 1986), pages 283-289.	
	A26	VAN LAERE, et al., "Vagus Nerve Stimulation Refractory Epilepsy: SPECT Activation Study", J Nucl Med, Vol. 41(7), (July 2000), pages 1145-1154.	
	A27	VELASCO, et al., "Acute and Chronic Electrical Stimulation of the Centromedian Thalamic Nucleus: Modulation of Reticulo-Cortical Systems and Predictor Factors for Generalized Seizure Control", Arch Med Res, Vol. 31(3), (May-June 2000), pages 305-315.	
A28	WALKER, et al., "Regulation of Limbic Motor Seizures by GABA and Glutamate Transmission in Nucleus Tractus Solitarius", Epilepsia, Vol. 40(8), (August 1999), pages 1051-1057.		

<b>Examiner Signature</b>		<b>Date Considered</b>	12/13/03
---------------------------	--	------------------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
Applicant's unique citation designation number (optional).<sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.  
<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.  
Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.